

CLAIMS

1. A method for improving the abrasion resistance and/or tensile strength of a durable press finished cellulosic material comprising enzymatic treatment of the durable press finished material with an enzyme capable of preventing and/or removing crosslinks from the cellulosic material.

2. The method of claim 1, wherein the durable press finished cellulosic material is obtained by contacting the cellulosic material with a chemical finishing agent under conditions suitable to obtain cross linking of the cellulosic material.

3. The method of claim 1, wherein the cellulosic material is selected from the group consisting of cotton, viscose, rayon, ramie, linen, lyocell and mixtures thereof.

4. The method of claim 1, wherein the chemical finishing agent is selected from the group consisting of dimethynol urea, trimethyl triazine, uron, triazone, 4,5-/1,3-disubstituted ethyleneurea, polycarboxylic acids, N-substituted methyl carbamates, maleic acid (MA), itaconic acid (IA), citraconic acid, trans-aconitic acid and dimethylolethylcarbamate (DMEC).

5. The method of claim 4, wherein the chemical finishing agent is 4,5-dihydroxyethylene urea (DHEU), 4,5-dimethoxyethylene urea (DMEU), 1,3-dimethylol-4,5-dihydroxyethylene urea (DMDHEU), tetramethyl ether (DMDMEU) or 1,2,3,4-butanetetracarboxylic acid (BTCA).

6. The method of claim 1, wherein the enzymes are selected from the group consisting of ester hydrolases, cellulases and proteolytic enzymes.

7. The method of claim 6, wherein the enzyme is a cutinase.

8. The method of claim 7, wherein the cutinase is derived from the strain *Humicola insolens*.

9. The method of claim 8, wherein the cutinase is derived from the strain *Humicola insolens* DSM 1800.

10. The method of claim 6, wherein the enzyme is an esterase.

11. The method of claim 6, wherein the cellulases is derived from a strain selected from the group consisting of *Trichoderma* and *Humicola*.

5 12. The method of claim 1, wherein the cross links are located on the surface of the cellulosic material.

13. A composition for treating durable press finished cellulosic materials comprising at least one enzyme capable of preventing and/or removing crosslinks from the cellulosic
10 material.

14. The composition of claim 13, wherein the enzymes are selected from the group consisting of ester hydrolases, cellulases and proteolytic enzymes.

15 15. The composition of claim 14, wherein the enzyme is a cutinase.

16. The composition of claim 15, wherein the cutinase is derived from the strain *Humicola insolens*.

20 17. The composition of claim 16, wherein the cutinase is derived from the strain *Humicola insolens* DSM 1800.

18. The composition of claim 14, wherein the enzyme is an esterase.

25 19. The composition of claim 14, wherein the cellulase is derived from a strain selected from the group consisting of *Trichoderma* and *Humicola*.

20. A composition for treating cellulosic materials comprising at least one durable press finishing agent and at least one enzyme capable of preventing and/or removing crosslinks
30 from the cellulosic material.

21. The composition of claim 20, wherein the durable press finishing agent is selected from the group consisting of dimethynol urea, trimethyl triazine, uron, triazone, 4,5-/1,3-disubstituted ethyleneurea, polycarboxylic acids, N-substituted methyl carbamates, maleic
35 acid (MA), Itaconic acid (IA), citraconic acid, trans-aconitic acid and dimethylolethylcarbamate (DMEC).

22. The composition of claim 21, wherein the chemical finishing agent is 4,5-dihydroxyethylene urea (DHEU), 4,5-dimethoxyethylene urea (DMEU), 1,3-dimethylol-4,5-dihydroxyethylene urea (DMDHEU), tetramethyl ether (DMDMEU) or 1,2,3,4-
5 butanetetracarboxylic acid (BTCA).

23. The composition of claim 20, wherein the enzymes are selected from the group consisting of ester hydrolases, cellulases and proteolytic enzymes.

10 24. The composition of claim 23, wherein the enzyme is a cutinase.

25. The composition of claim 24, wherein the cutinase is derived from the strain *Humicola insolens*.

15 26. The composition of claim 25, wherein the cutinase is derived from the strain *Humicola insolens* DSM 1800.

27. The composition of claim 23, wherein the enzyme is an esterase.

20 28. The composition of claim 23, wherein the cellulase is derived from a strain selected from the group consisting of *Trichoderma* and *Humicola*.